

CSWC Operational Period Summary

0600 January 20 2016 to 1800 January 20 2016



The temporary cofferdam at Folsom Lake on 01/20/16.

Photo Credit: Doug Lyons, CHP / STAC

Note: [Report updates are in blue](#)



Cal OES
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SITUATION SUMMARY

Folsom Dam – cofferdam leak, Folsom, Sacramento County

- On 01/20/16 at 0726 hours, the California State Warning Center (CSWC) received a report indicating that there was a leak at the cofferdam at Folsom Dam.
- Per the Department of Water Resources (DWR), the only anticipated impacts would be to water and water quality; there are no inundation concerns downstream.
- Per Cal OES Law Enforcement Branch Representative:
 - As of 1845 hours, most of the equipment in the approach channel, including diesel fuel tanks, have been removed. Complete removal of all equipment is expected to be completed within 2 -3 hours from the time of this report.
 - This has lifted concern for a hazardous material release in the event of cofferdam failure.
 - Mitigation work has been complete. US Army Corps of Engineers will survey the site in the morning of 01/21/16 to confirm no other repairs required.
- The CSWC reached out to the DWR who advised the following:
 - There is a leak at the cofferdam on the spillway at Folsom Dam.
 - Contractors and the Army Corps of Engineers are mitigating the situation.
 - DWR Flood Ops advises there is no threat to flood control systems.
 - The DWR Flood Operations Center (FOC) is not activated.
- Per the Cal OES Inland Region Duty Officer (IDO):
 - Sacramento County OES confirmed DWR's information.
 - They do anticipate the cofferdam to fail at some point. Because the gate was able to be closed and the potential flood concern downstream was mitigated, they see this now as a hazmat issue due to construction equipment in the approach channel.
 - They currently do not plan to activate their EOC.
- Per the DWR Flood Operations Center:
 - If the cofferdam fails, the water behind it will be captured by Folsom Dam and there is no threat for flooding.
 - A small leak started about a week ago and increased last night.
 - The Folsom Dam Auxiliary Spillway Project is a multi-agency project and the partners include U.S Bureau of Reclamation (USBR), USACE, DWR, and the Sacramento Area Flood Control Agency (SAFCA). Per USBR, the coffer dam was scheduled for removal around 02/06/16.

SITUATION SUMMARY

Folsom Dam – cofferdam leak, Folsom, Sacramento County

- Per the Army Corps of Engineers Press Briefing as of 1555 hours:
 - Once the cofferdam is stabilized and they can proceed safely, Kiewit will remove their equipment from the approach channel to mitigate any potential environmental concerns associated with fuel in the construction site.
 - Kiewit had always planned to allow water against the control structure in mid-February by pumping water over the temporary cofferdam to equalize water on both sides of the structure prior to finishing excavation in the wet. Once the immediate situations have been addressed, Kiewit, USACE and USBR will update plans for how to proceed with remaining construction work.
- The Cal OES FDO advised the following as of 1559 hours:
 - Unified Command has been established with California Department of Fish and Game (DFW), Folsom City, Army Corps of Engineers, Bureau of Reclamation, Sacramento County Sheriff's Department, and the contractor Kiewit.
 - A partial activation of the Sacramento Operational Area Type 3 Team has taken place. Team activation includes an IC, Planning, Logistics, and PIO.
 - Water seepage has slowed and there is an ongoing effort to slow the release of water from the leak with back fill. The leak was detected early enough that they were able to shut the dam auxiliary gates thus limiting the flow downstream.
 - Contingency planning continues and involves HazMat cleanup and Rescue operations.
 - Removal of equipment in the spillway would involve placing personnel in the danger flood zones so they are using cranes to lift the equipment out.
 - Heavy Rescue Apparatus are on scene to assist should a rescue be necessary.
 - Equipment at the Spillway and cofferdam is being removed simultaneously.
 - All resources have been ordered under Mutual Aid. All agencies have agreed to assist as needed.
- The California Dept. of Fish and Wildlife, (CDFW) Office of Spill Prevention and Response (OSPR) had two wardens, one environmental scientist, and one Oil Spill Prevention Specialist at scene.
- Cal OES Duty Officers are gathering information and will provide updates as they become available.

SITUATION SUMMARY

Train Derailment, Martinez, Contra Costa County, SPILL: 16-0432

- On 01/20/16 at 0801 hours, the California State Warning Center (CSWC) received a report from Union Pacific Railroad advising that three tank cars loaded with sulfuric acid had derailed upright in Martinez, Contra Costa County.
- The tank cars are being retailed.
- There is no release of hazardous materials and injuries were reported.
- The CSWC made all pertinent notifications per the Hazardous Materials SOP.

Cal EOC Incident – 2014 Drought

- SOC / Inland REOC remains activated in support of 2014 Drought

Active Weather Warnings, Watches and Advisories by County:

http://www.wrh.noaa.gov/sto/brief/wwa_bc_cal.php

Key Points

1/21 – 1/27

Thursday-Saturday

- Dense fog may create travel hazards along the southern CA coast early Thursday
- Travel impacts over the Sierra and mountains of northern CA Thursday Night through Saturday
- Localized flooding over portions of northern CA due to heavy rains Thursday Night through Saturday
- Travel impacts, downed trees and localized power outages over portions of northern CA due to strong gusty winds Thursday Night through Saturday
- Some minor coastal flooding possible Thursday and Friday during the morning high tides

Sunday-Wednesday

- No significant impacts expected



California OES Impact Threat Matrix

Jan 21, 2016 – Jan 27, 2016

DAY/THREAT	THU	FRI	SAT	SUN	MON	TUE	WED
Fire Weather							
Winds		N CA	N CA				
Extreme Cold							
Snow		Sierra N CA	Sierra N CA				
Heavy Rain/ Localized Flooding		N CA	N CA				
River Flooding							
Coastal Flooding							
Tropical							

 High Threat
 Moderate Threat
 Slight Threat
 No Discernible Threat



Day 1-3 Weather Hazards

Valid: Thursday – Saturday



Gusty Winds,
Heavy Rain
& Localized
Flooding Thu
Nt-Sat

Heavy
Snow &
Gusty
Winds
Fri-Sat

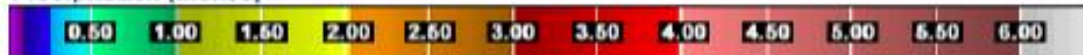
Minor
Coastal
Flooding
Possible
Thu-Sat

 High Threat
 Moderate Threat
 Slight Threat



Days 1-3 Precipitation Forecast

Precipitation (inches)



Thursday



Friday

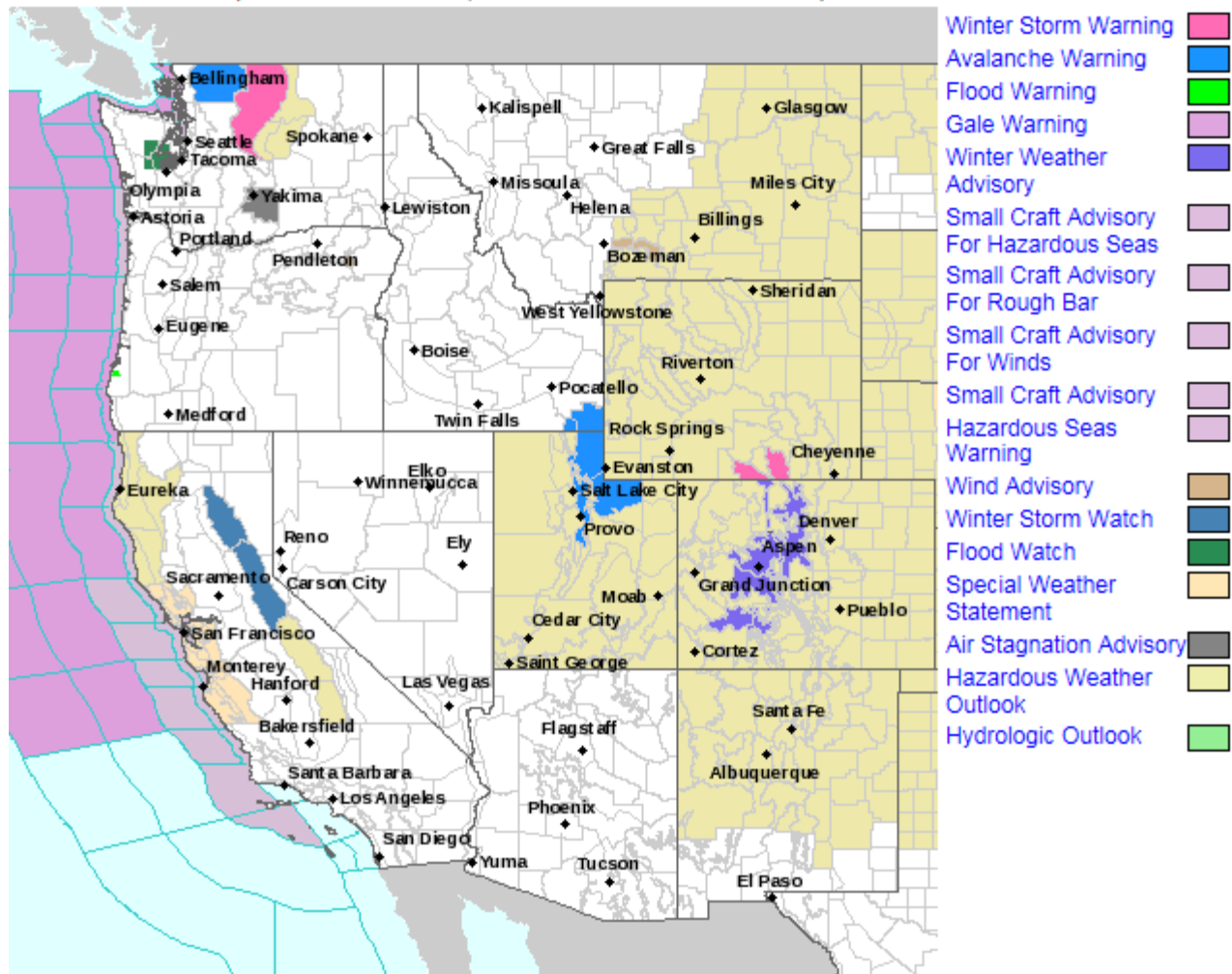


Saturday

Precipitation amounts are those forecast from 4 AM PST of the day noted to 4 AM PST the following morning (for example, Thursday forecast precipitation is for the period between 4am PST Thu and 4am PST Fri)



WEATHER



Last map update: Jan, 20th 2016 at 8:03:27 pm MST



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REGIONAL WINTER WEATHER SUMMARY

Cal OES Statewide Weather Briefing 01/18/16 - 01/24/16

- Today and Thursday will be mostly dry across the state except for far Northern California, but no significant impacts expected.
- Another storm will move across the state Thursday night through Friday with the potential for more enhanced impacts than Tuesday's storm.
 - A bit more flooding is possible across the far northern portions including the coastal areas similar to what was observed on Sunday, 01/17/16.
 - Additional river rises likely but river flooding is not expected.
- Lingering showers on Saturday but dry conditions Sunday into next week.
- Far Southern California to remain dry through the entire week.

REGIONAL WINTER WEATHER SUMMARY

COASTAL REGION

North Coast

- Multiple storm systems are predicted to impact northwestern California with the next beginning Thursday, 01/21/16.
- Rock and mudslides are possible along highways and county roads with the coming storm.
- Snowfall totals of 3 to 6 inches are possible over the Trinity Alps early Friday with another 4 to 8 inches possible Friday night and Saturday locally higher amounts.
- Snowfall totals of 2 to 4 inches are possible over eastern Humboldt County Saturday.

Lake County

- Low potential for Flash flooding and/or rock/debris flows.

SF/Monterey Bay Areas

- King Tide conditions will occur around San Francisco Bay beginning around 0946 hours on Friday.
- Another very high tide will occur on Saturday at 1030 hours.
- These high tidal amounts will lead to some coastal flooding.

REGIONAL WINTER WEATHER SUMMARY

INLAND REGION

Shasta Valley and Northeastern California to Warner Mountains

- Light precipitation is expected today with less than .10" expected.

Eastern Sierras/Tahoe Basin

- The storm system is expected to reach the Sierra region by Friday.
- Snow levels Friday: 5000-6000 feet
- Snow levels Friday night & Saturday: 4000-5000 feet
- Snow totals generally 1-2 feet, locally up to 3 feet over higher peaks
- Winds in the valleys are likely to be gusting in the 30 to 50 mph range with 80 to 100 mph gusts across Sierra ridges.

Sacramento and San Joaquin Valleys

- A new storm system is approaching the area on Friday and can be expected to be as wet or wetter than Tuesday's storm.
- Valley rain totals of 0.5 to 2 inches
- Foothill rain totals: 1.5 to 3 inches and locally up to 4 inches

REGIONAL WINTER WEATHER SUMMARY

SOUTHERN REGION

South Coast

- The marine layer will become quite shallow tonight and again Thursday night, creating the potential for dense fog over portions of the south coast.

Southern Sierras

- Precipitation from the next storm system is expected to arrive by Friday afternoon into Saturday evening.

SIGNIFICANT WATCHES AND WARNINGS

COASTAL REGION

- No current watches or warnings.

INLAND REGION

- Winter Storm Watch in effect from 01/22/16 at 0400 hours to 01/23/16 1600 hours for portions of Alpine, Amador, Butte, Calaveras, El Dorado, Nevada, Plumas, Shasta, Sierra, Tehama, Tuolumne, and Yuba Counties.

SOUTHERN REGION

- No current watches or warnings.

RIVER FORECASTS

As of 1850 hours on 01/20/16:

COASTAL REGION

- Eel River at Fernbridge is currently above monitor stage (Humboldt County)

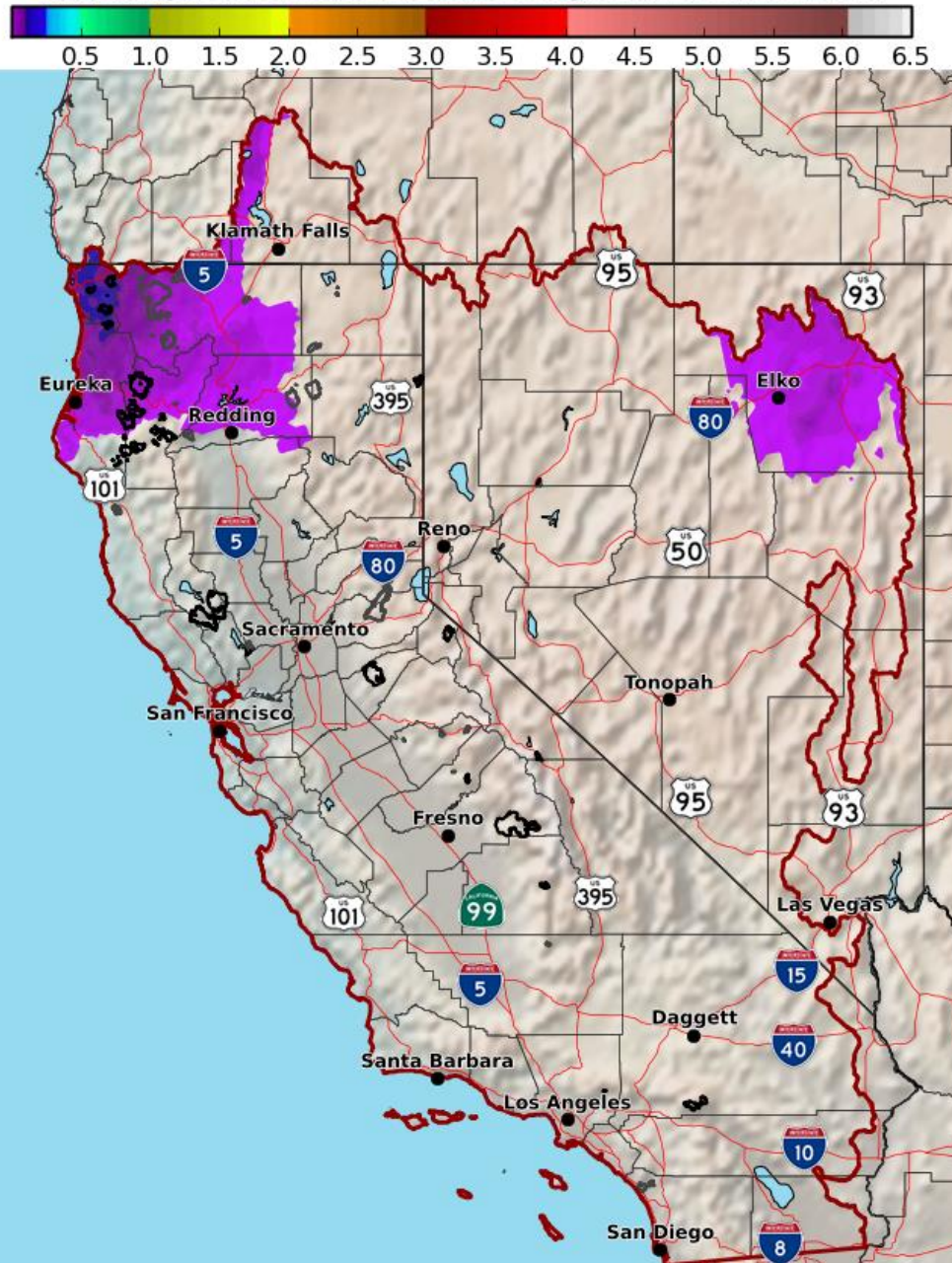
INLAND REGION

- Sacramento River at Tehama Bridge is currently above monitor stage (Tehama County)
- Sacramento River at Ord Ferry is currently above monitor stage (Glenn County)
- Sacramento River at Colusa Weir is currently above monitor stage (Colusa)
- Sacramento River at Colusa Bridge is currently above monitor stage (Colusa)
- Sacramento River at Tisdale Weir is currently above monitor stage (Sutter County)
- Cosumnes River at Michigan Bar is currently above monitor stage (San Joaquin County)

24 HOUR PRECIPITATION FORECAST

24-Hour Forecast Precipitation (Inches)

Valid: Wed Jan 20, 2016 at 04 AM PST to Thu Jan 21, 2016 at 04 AM PST

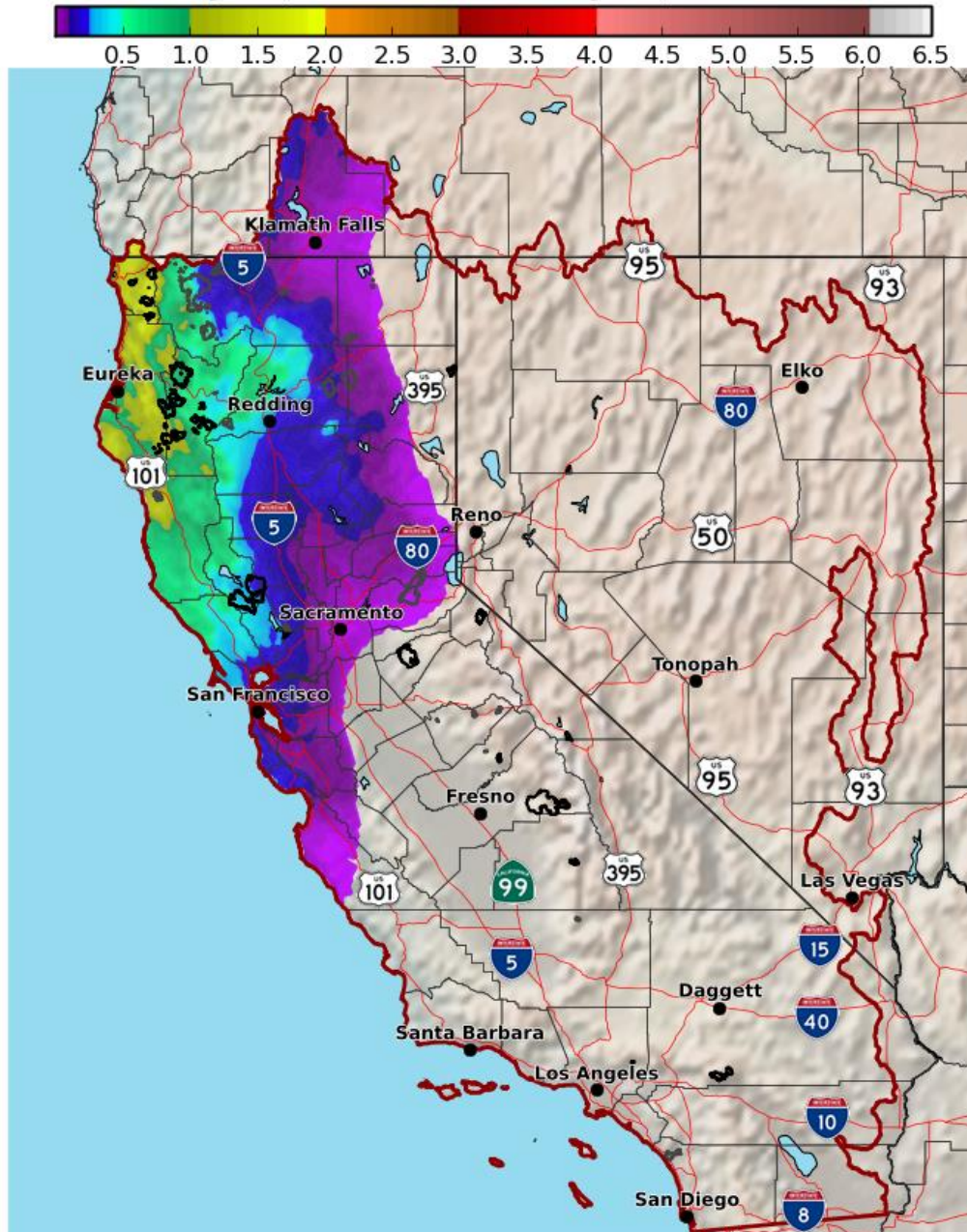


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24 HOUR PRECIPITATION FORECAST

24-Hour Forecast Precipitation (Inches)

Valid: Thu Jan 21, 2016 at 04 AM PST to Fri Jan 22, 2016 at 04 AM PST

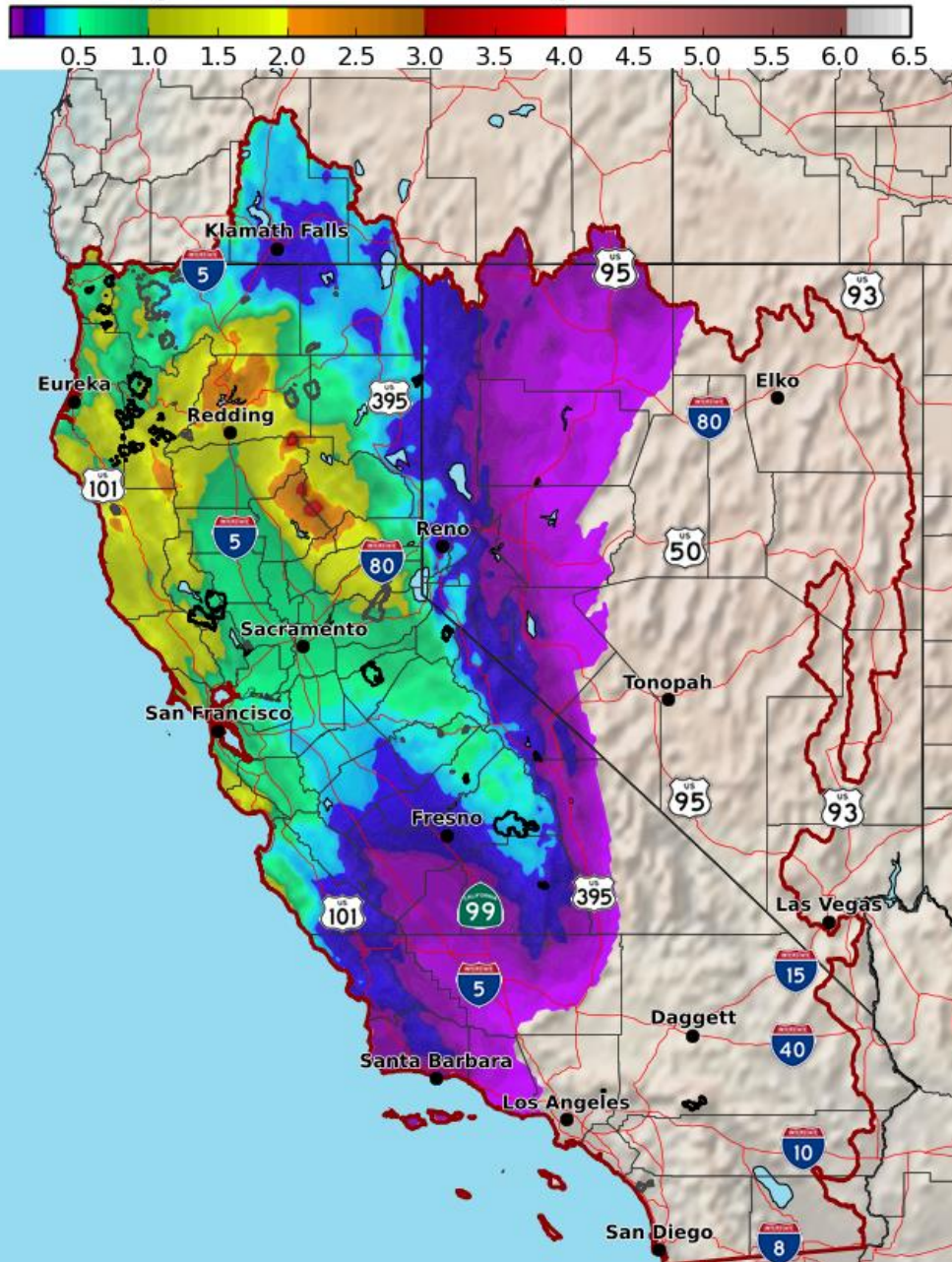


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24 HOUR PRECIPITATION FORECAST

24-Hour Forecast Precipitation (Inches)

Valid: Fri Jan 22, 2016 at 04 AM PST to Sat Jan 23, 2016 at 04 AM PST



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FIRE ACTIVITY

Preparedness Levels

National Preparedness Level 1

Northern California

Preparedness Level 1, Multi-Agency Coordination System MACS Mode 2

Southern California

Preparedness Level 2, Multi-Agency Coordination System MACS Mode 2

California Fire Potential & Weather Maps

Southern California 7 Day Significant Fire Potential

<http://psgeodata.fs.fed.us/7day/action/forecast/8>

Northern California 7 Day Significant Fire Potential

<http://psgeodata.fs.fed.us/7day/action/forecast/10>

California Fire Weather Map Watches and Warnings

<http://www.wrh.noaa.gov/firewx/main.php>

NWS California River Forecast Center:

<http://www.cnrfc.noaa.gov/>



CAL OES 2014 DROUGHT

Cal EOC Incident – 2014 Drought

- The SOC is activated in support of the Drought State of Emergency and continue to monitor the situation.
- The Governor issued Executive Order B-26-14 on 09/19/14, to streamline relief efforts for families with drinking water shortages due to drought, specifically through the California Disaster Assistance Act, to provide temporary water supplies to households without water for drinking and/or sanitation purposes.
- The Governor issued Executive Order B-29-15 on 04/01/15 which announced actions that will save water, increase enforcement to prevent wasteful water use, streamline the state's drought response and invest in new technologies to make California more drought resilient.
- CDAA 2014 Drought Fact Sheet and Frequently Asked Questions provided to Regions for reference and distribution.
- Cal OES Recovery continues to coordinate the Community Impacts Workgroup conference calls. Currently, the calls take place on alternating Wednesdays.
- Cal OES Recovery/Individual Assistance finalized an updated 2015 version of the drought brochure of programs and services for individuals, businesses, farmers, and ranchers. It has been put on the Governor's Drought webpage. State agencies may put the following link to the brochure on their webpage <http://ca.gov/drought/pdf/Drought-Assistance-Brochure-2015.pdf>
- Cal OES Regions (Inland, Coastal, Southern) collective OA drought call is facilitated by the SOC and will be held once per month.

CAL OES 2014 DROUGHT

Cal EOC Incident – 2014 Drought

Local Emergency Proclamations:

A total of 63 local Emergency Proclamations have been received to date from city, county, and tribal governments, as well as special districts:

- 29 Counties: Butte, Colusa, Calaveras, El Dorado, Fresno, Glenn, Inyo, Humboldt, Kern, Kings, Lake, Madera, Mariposa, Merced, Modoc, Plumas, San Bernardino, San Joaquin, San Luis Obispo, Santa Barbara, Shasta, Siskiyou, Sonoma, Stanislaus, Sutter, Trinity, Tulare, Tuolumne, and Yuba.
- 13 Cities: City of Live Oak (Sutter County), City of Lodi (San Joaquin County), City of Manteca (San Joaquin County), City of Montague (Siskiyou County), City of Porterville (Tulare County), City of Portola (Plumas County), City of Ripon (San Joaquin County), City of San Juan Bautista (San Benito County), City of Santa Barbara (Santa Barbara County), City of Rancho Cucamonga (San Bernardino County) and City of West Sacramento (Yolo County), City of Willits (Mendocino County), and City of Fort Bragg (Mendocino County).
- 9 Tribes: Cortina Indian Rancheria (Colusa County), Hoopa Valley Tribe (Humboldt County), Karuk Tribe (Siskiyou/Humboldt Counties), Kashia Band of Pomo Indians of the Stewarts Point Rancheria (Sonoma County), Picayune Rancheria of Chukchansi Indians (Madera County) Sherwood Valley Pomo Indian Tribe (Mendocino County), Tule River Indian Tribe (Tulare County), Yocha Dehe Wintun Nation (Yolo County), and Yurok Tribe (Humboldt County).
- 12 Special Districts: Carpinteria Valley Water District (Santa Barbara County), Goleta Water District (Santa Barbara County), Groveland Community Services District (Tuolumne County), Lake Don Pedro Community Services District (Mariposa Stanislaus County), Mariposa Public Utility District (Mariposa County), Meiners Oaks Water District (Ventura County), Montecito Water District (Santa Barbara County), Mountain House Community Service District (San Joaquin County), Nevada Irrigation District (Nevada County), Placer County Water Agency (Placer County), Tuolumne Utilities District (Tuolumne County), and Twain Harte Community Services District (Tuolumne County).



CAL OES MISSIONS

New Cal OES Missions

- **2016-LAW-20917, 1/19/16 1555 hrs:** San Francisco Police requested cadaver dogs to reach a residence and attached yard. The case is a search for a subject reported missing in 2013. Request referred to the OES Canine Coordinator for tasking and scheduling. **Mission On Going.**

Closed Cal OES Missions

- **2016-LAW-20870 1/15/16 2055 hrs:** Placer County requested assistance in the search for a skier missing from the area of the Sugar Bowl Ski Resort near Donner Pass. Placer County had a general location of the missing person based on a “ping” from a cell phone, and were requesting 20 Type I personnel to search an area with heavy recent snowfall and snow slides. The request was for a search starting 0800 on 1/16. A Nordic team of 14 from Contra Costa County was in the area doing training. They agreed to commit to the search. Additional personnel were obtained from the National Ski Patrol, Northern California Unit. Update 1/17/16: Search continues using additional aviation resources from the California National Guard. Update 1/18/16: The search continues using ground resources from Marin County, San Mateo County (BAMRU), Nevada County, El Dorado County, Douglas County Nevada, National Ski Patrol, and the Tahoe Nordic Ski Team. Aviation resources from the California National Guard and California Highway Patrol are being used. An additional avalanche dog will be assigned today. AFRCC is assisting with cell phone forensics. These mutual aid resources are in support of a large contingent from Placer County. Update 1/19/16: Search continues with additional personnel from Fresno and Monterey County. **Update 1/20/16:** Placer County suspended active searching effective end of day on 01/19. The area of the search has received 46 inches of new snow since the search began, effectively hiding any clues. Search will resume using in county resources when conditions permit. **Mission Closed.**



Mission:

We protect lives and property, build capabilities, and support our communities for a resilient California.

We achieve our mission by serving the public through effective collaboration in preparing for, protecting against, responding to, recovering from, and mitigating the impacts of all hazards and threats.